Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for managing a plurality of computer systems attached to a network, said method comprising the computer implement steps of:

defining attributes that are of interest in the operation of said computer systems, for each type of element in said plurality of computer systems;

assigning values to each of said attributes associated with [[said]] an element for each element in said plurality of computer systems;

defining a policy concerning a first set of said elements in terms of relationships between a corresponding first set of values of said attributes associated with said first set of elements and a second set of desired values; and

performing at least one operation, chosen from a group of set operations consisting of: filter, projection, section, diagonal, union, intersection, subset, setminus, and cardinal, on said first set of values to determine if said first set of values meets said policy.

- 2. (Original) The method of claim 1, further comprising providing a report on compliance to said policy by said first set of elements.
- 3. (Cancelled)
- 4. (Currently Amended) The method of Claim 1 claim 2, wherein said reporting step comprising reporting elements that did not comply with said policy.
- 5. (Currently Amended) The method of Claim claim 1, wherein said defining step uses the relationships of "belongs to" and "does not belong to".
- 6. (Currently Amended) The method of Claim claim 1, wherein said defining step uses multiple relationships joined by the operations "and", "or", and "not".
- 7. (Currently Amended) A computer program product, <u>comprising computer readable instructions</u> <u>tangibly embodied</u> in a computer readable <u>recordable-type</u> medium, for managing enforcement of a set of

policies on a plurality of computer systems attached to a network, said computer program product comprising:

first instructions for defining, for each type of element in said plurality of computer systems, attributes that are of interest in the operation of said computer systems;

second instructions for assigning, for each element in said plurality of computer systems, values to each of said attributes associated with said element;

third instructions for defining a policy concerning a first set of said elements in terms of relationships between a corresponding first set of values of said attributes associated with said first set of elements and a second set of values; and

fourth instructions for performing at least one operation, chosen from a group of set operations consisting of: filter, projection, section, diagonal, union, intersection, subset, setminus, and cardinal, on said first set of values to determine if said first set of values meets said policy.

- 8. (Currently Amended) The method of Claim 1 computer program product of claim 7, further comprising fifth instructions for providing a report on compliance to said policy by said first set of elements.
- 9. (Cancelled)
- 10. (Currently Amended) The method of Claim 6 computer program product of claim 8, wherein said fifth instruction comprises reporting elements that did not comply with said policy.
- 11. (Currently Amended) The method of Claim 6 computer program product of claim 7, wherein said third instruction uses the relationships of "belongs to" and "does not belong to".
- 12. (Currently Amended) The method of Claim 6 computer program product of claim 7, wherein said third instruction uses multiple relationships joined by the operations "and", "or", and "not".
- 13. (Currently Amended) A computer system comprising:
 - a processor having a connection to a network;
 - a keyboard connected to input information to said processor;
 - an output device for providing reporting capabilities;
- a set of instructions stored in memory and connected to be executed by said processor, said set of instructions comprising:

first instructions for defining, for each type of element in a plurality of computer systems that are connected to be managed by said computer system, attributes that are of interest in the operation of said computer systems;

second instructions for assigning, for each element in said plurality of computer systems, values to each of said attributes associated with said element;

third instructions for receiving a policy concerning a first set of said elements defined in terms of relationships between a corresponding first set of values of said attributes associated with said first set of elements and a second set of values; and

fourth instructions for performing at least one operation, chosen from a group of set operations consisting of: filter, projection, section, diagonal, union, intersection, subset, setminus, and cardinal, on said first set of values to determine if said first set of values meets said policy.

- 14. (Currently Amended) The computer system of Claim 6-claim 13, further comprising fifth instructions for providing a report on compliance to said policy by said first set of elements.
- 15. (Cancelled)
- 16. (Currently Amended) The computer system of Claim 11 claim 14, wherein said fifth instruction comprises reporting elements that did not comply with said policy.
- 17. (Currently Amended) The computer system of Claim 11 claim 13, wherein said third instructions receive policies using the relationships of "belongs to" and "does not belong to".
- 18. (Currently Amended) The computer system of Claim 11 claim 13, wherein said third instructions receive multiple relationships joined by the operations "and", "or", and "not".
- 19. (Currently Amended) The computer system of Claim 11 claim 14, wherein said report is provided on said output device.